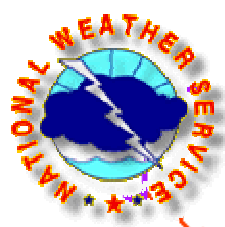
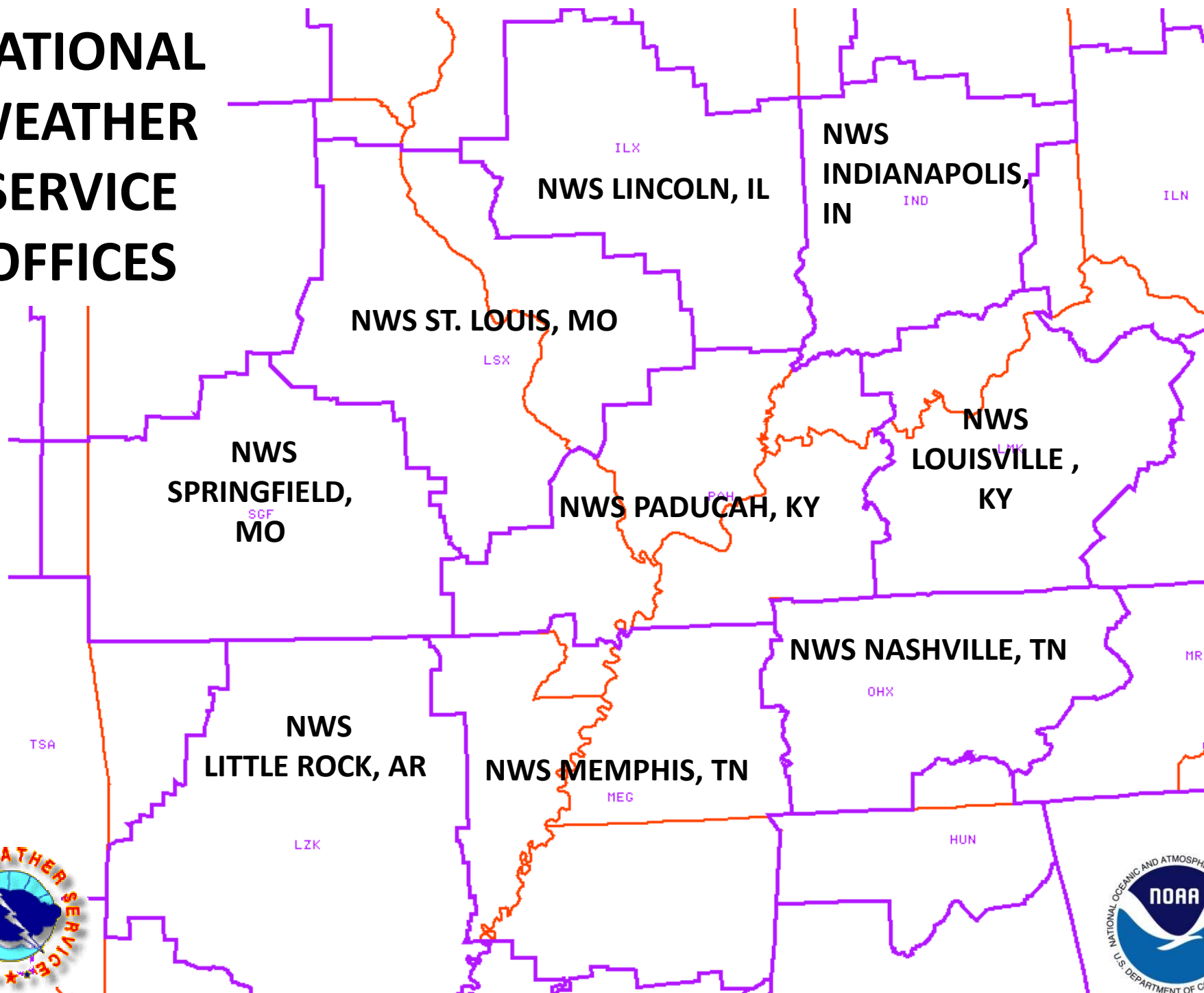
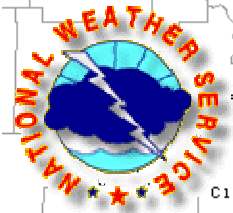
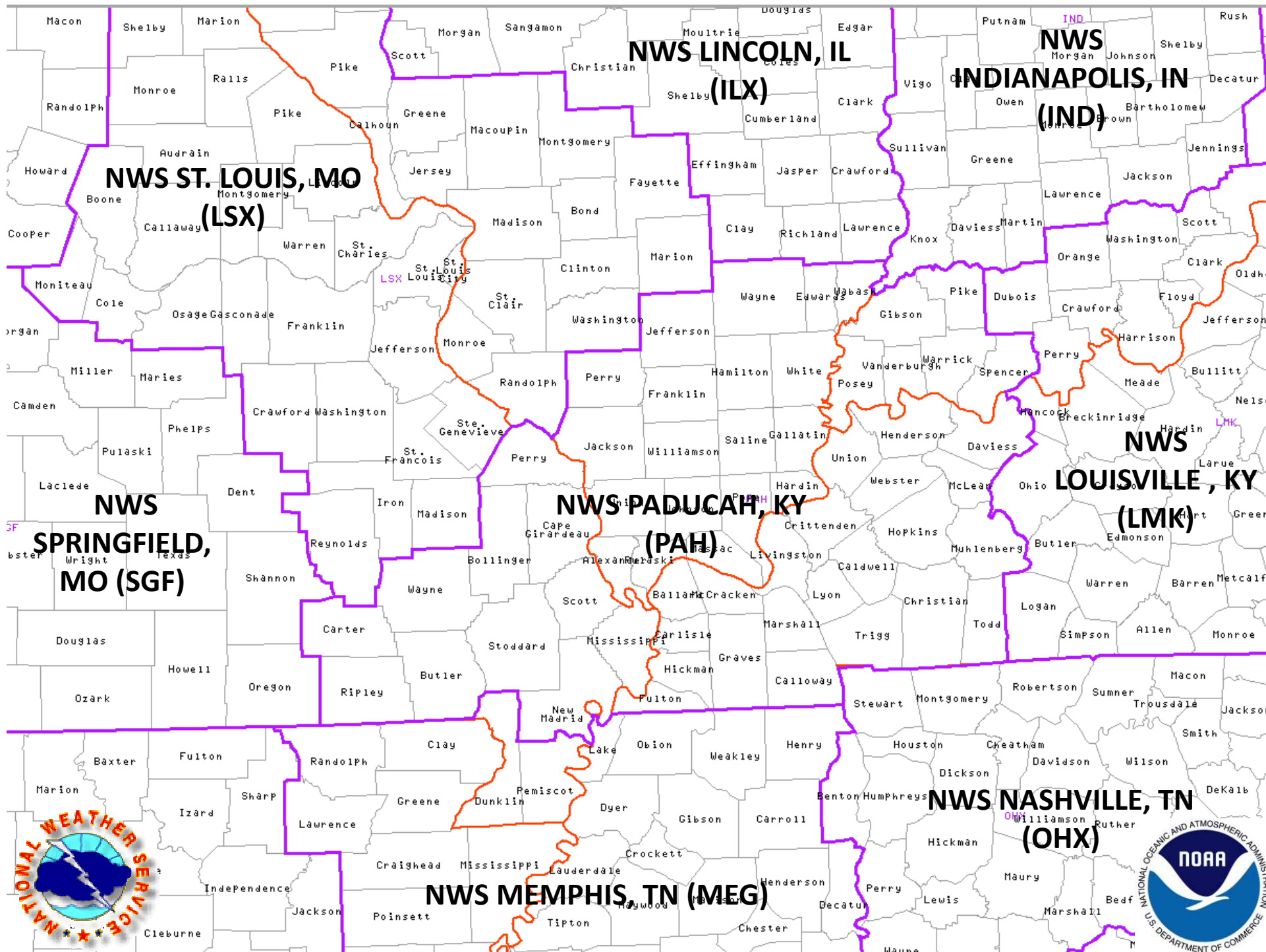


# NATIONAL WEATHER SERVICE OFFICES





**National Weather Service Regions**

- Alaska Region HQ**  
Anchorage, Alaska
- Western Region HQ**  
Salt Lake City, Utah
- Central Region HQ**  
Kansas City, Missouri
- Southern Region HQ**  
Fort Worth, Texas
- Eastern Region HQ**  
Bohemia, New York
- National Headquarters**  
Silver Spring, Maryland
- Pacific Region HQ**  
Honolulu, Hawaii

**National Centers for Environmental Prediction**

- Space Weather Prediction Center  
Boulder, Colorado
- Storm Prediction Center  
Norman, Oklahoma
- Aviation Weather Center  
Kansas City, Missouri
- Hydrometeorological Prediction Center
- Environmental Modeling Center
- Climate Prediction Center  
Camp Springs, Maryland
- NCEP Central Operations
- Marine Prediction Center  
Camp Springs, Maryland
- Tropical Prediction Center  
Miami, Florida

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**River Forecast Centers**

Alaska River Forecast Center

Northwest River Forecast Center

California Nevada River Forecast Center

Colorado Basin River Forecast Center

Missouri Basin River Forecast Center

North Central River Forecast Center

Northeast River Forecast Center

Ohio River Forecast Center


Mid-Atlantic River Forecast Center


Arkansas Red-Basin River Forecast Center

West Gulf River Forecast Center


Lower Mississippi River Forecast Center


Southeast River Forecast Center


	Blizzard Warning	Winter Storm Warning	Ice Storm Warning	Winter Weather Advisory	Freezing Rain Advisory
<b>NWS Paducah, KY</b>	Sustained wind or frequent gusts $\geq 35$ mph & vsby $\leq 1/4$ mile in snow and blowing snow for $\geq 3$ hrs.	<b>For snow:</b> $\geq 4$ inches in 12 hrs (or an avg of 4 inches such as 3-5 inches) or $\geq 6$ inches in 24 hrs. <b>For mixed precip:</b> Must meet at least one of these criteria: $1/4$ inch of ice, $1/2$ inch of sleet, or 4 inches of snow.	Ice accumulation $\geq 1/4$ inch	<b>For snow:</b> 2 inches or more in 12 hrs. Can be issued for less than 2 inches if it is the first or second event of the season or when rain changes to snow leaving a layer of ice underneath. <b>For mixed precip:</b> Issued when a combination of freezing & frozen precip types are expected but remain below warning criteria and creates hazardous conditions.	Freezing rain/drizzle accumulations $< 1/4$ inch
<b>NWS Louisville, KY</b>	Sustained wind or frequent gusts $\geq 35$ mph & vsby $\leq 1/4$ mile in snow and blowing snow for $\geq 3$ hrs.	<b>For all snow:</b> $\geq 4$ inches in 12 hrs (or an avg of 4 inches such as 3-5 inches).  Any combination of snow, sleet or freezing rain that averages 4 inches or more in a 12 hour period.	Ice accumulation $\geq 1/4$ inch	<b>For all snow:</b> 1-4 inches in 12 hrs (i.e. around 1 inch, 1-2 inches, 2-4 inches) .  Any combination of snow, sleet or freezing rain that measures 1-4 inches or more in a 12 hour period.	Freezing rain/drizzle accumulations $< 1/4$ inch
<b>NWS Springfield, MO</b>	Sustained wind or frequent gusts $\geq 35$ mph & vsby $\leq 1/4$ mile in snow and blowing snow for $\geq 3$ hrs.	<b>For snow:</b> $\geq 6$ inches OR Any combination of greater than or equal to 3 inches of snow, sleet, glaze of freezing rain, blowing snow in 24 hours.	Ice accumulation $\geq 1/4$ inch in 24 hrs	<b>For snow:</b> Less than 6 inches.  <b>For mixed precip:</b> any combination of less than 3 inches of snow, sleet, glaze of freezing rain, blowing snow in 24 hours.	Freezing rain/drizzle accumulations $< 1/4$ inch in 24 hrs
<b>NWS St. Louis, MO</b>	Sustained wind or frequent gusts $\geq 35$ mph & vsby $\leq 1/4$ mile in snow and blowing snow for $\geq 3$ hrs.	<b>At least one of the following (amounts are for the event):</b> Heavy snow (6+ inches) Sleet ( $1/2$ + inch) Freezing Rain ( $1/4$ + inch)	Ice accumulation $\geq 1/4$ inch	<b>For snow:</b> 3-5 inches in 12 hours.  Winter weather event of either snow or sleet or a combination of snow, sleet and/or freezing rain, but remaining below warning criteria.	Freezing rain/drizzle accumulations $< 1/4$ inch

	Blizzard Warning	Winter Storm Warning	Ice Storm Warning	Winter Weather Advisory	Freezing Rain Advisory
<b>NWS Indianapolis, IN</b>	Sustained wind or frequent gusts $\geq$ 35 mph & vsby $\leq$ 1/4 mile in snow and blowing snow for $\geq$ 3hrs	Snowfall of $\geq$ 6 inches in 12 hours or 8 inches in 24 hours	Ice accumulation $\geq$ 1/4 inch	<b>For snow:</b> 3-5 inches in 12 hours.  Winter weather event of either snow or sleet or a combination of snow, sleet and/or freezing rain, but remaining below warning criteria.	Freezing rain/drizzle accumulations $<$ 1/4 inch
<b>NWS Lincoln, IL</b>	Sustained wind or frequent gusts $\geq$ 35 mph & vsby $\leq$ 1/4 mile in snow or blowing snow for $\geq$ 3hrs	Snowfall of $\geq$ 6 inches in 12 hours or $\geq$ 8 inches in 24 hours  Sleet accumulation $\geq$ 1/2 inch  Significant icing ( $\geq$ 1/4 inch) WITH heavy snow and sleet	Ice accumulation $\geq$ 1/4 inch	<b>For Snow:</b> 3-5 inches snow in 12 hours.  <b>For Ice:</b> Less than 1/2 inch of sleet Light icing ( $<$ 1/4 inch) with snow and sleet.  <b>Blowing snow:</b> sustained wind or frequent guest of 25-34 mph, which occasionally reduces visibility to $\leq$ 1/4 mile. <b>Drifting snow:</b> wind blown snow raised to a height of 6 ft or less, causing an inconvenience to travelers.	Freezing rain/drizzle accumulations $<$ 1/4 inch
<b>NWS Nashville, TN</b>	Sustained wind or frequent gusts $\geq$ 35 mph & vsby $\leq$ 1/4 mile in snow and blowing snow for $\geq$ 3hrs	Snowfall of 3 inches or more in 12 hours or less, or 5 inches of snow or more in 24 hours or less.	Ice accumulation $\geq$ 1/4 inch	<b>For Snow...</b> 1 to less than 3 inches in 12 hours or less, or 3 to less than 5 inches in 24 hours or less. <b>For Blowing Snow...</b> vsby 1/4 mile or less and winds less than 35 mph <b>Snow and Blowing Snow...</b> sustained winds or frequent gusts 25-34 mph accompanied by falling and blowing snow with vsbys occasionally reduced to 1/4 mile or less for 3 hours or more. <b>For Sleet...</b> accumulations less than 1/4 inch.	Freezing rain/drizzle accumulations $<$ 1/4 inch
<b>NWS Memphis, TN</b>	Sustained wind or frequent gusts $\geq$ 35 mph & vsby $\leq$ 1/4 mile in snow and blowing snow for $\geq$ 3hrs	<b>For snow only-For counties that border KY &amp; MO:</b> 4 inches or more in 12 hours; or 6 inches or more in 24 hours. <b>For sleet only:</b> Accumulation of 1/2 inch or more. <b>For combination of snow with sleet or ice:</b> 2 inches of snow with any accumulation of ice or sleet.	Ice accumulation $\geq$ 1/4 inch	<b>For snow:</b> accumulations of more than 1 inch but less the warning criteria.  <b>For sleet:</b> Any accumulations less than warning criteria.	Freezing rain/drizzle accumulations $<$ 1/4 inch




	Wind Chill Advisory	Wind Chill Warning	Frost Advisory	Freeze Warning	Dense Fog Advisory	Freezing Fog Advisory
<b>NWS Paducah, KY</b>	Wind chills -10°F to -24°F	Wind chills ≤ -25°F	Widespread frost expected within the CWA. Spring – initiated after coordination with UK Ag Wx Center and County Extension Offices, but no later than April 10. Fall end date – once a widespread killing freeze has occurred. Normally not issued after Nov 1, unless it has been an abnormally warm fall and no widespread killing freeze has occurred.	Widespread freeze expected with temps falling to ≤ 32F across the CWA. A killing freeze occurs when temps fall to 30°F or lower for at least 2 consecutive hours. Spring – initiated after coordination with UK Ag Wx Center and County Extension Offices, but no later than April 10. Fall end date – once a widespread killing freeze occurs. Normally not issued after Nov 1, unless it has been an abnormally warm fall and no widespread killing freeze has occurred.	Widespread dense fog reducing visibilities to 1/4 mile or less	Very light ice accumulations from freezing fog.
<b>NWS Louisville, KY</b>	Wind chills -10°F to -24°F (with wind speed 5 to 10 mph)	Wind chills ≤ -25°F and wind speed ≥ 10 mph	Widespread frost expected with air temps ≤ 35°F or less for at least 2 consecutive hrs at 3 or more observation sites with winds < 6 mph. Normally not issued after Election Day, unless it has been an abnormally warm fall & late growing season with no previous frosts.	Temps fall to 30°F or less for at least 2 consecutive hrs at 3 or more observations sites. Product ceases after Election Day unless a freeze has not yet occurred. In this case, only one freeze warning is issued for the entire season.	Visibility ≤ 1/2 mile at reporting stations for ≥ 2 hrs or widespread visibilities ≤ 1/2 mile .	NOT ISSUED
<b>NWS Springfield, MO</b>	Wind chills -10°F to -24°F	Wind chills ≤ -25°F	Widespread frost during growing season with air temperatures generally ≥ 32°F .	Widespread temperatures ≤ 32°F.	Widespread dense fog reducing visibilities to 1/4 mile or less.	Very light ice accumulations from predominantly freezing fog.
<b>NWS St. Louis, MO</b>	Wind chills -15°F to -24°F	Wind chills ≤ -25°F	Widespread frost during growing season (temperatures in middle 30s, light winds, and dew potential)	Widespread temperatures of ≤ 32°F.	Widespread dense fog reducing visibilities to 1/4 mile or less.	Very light ice accumulations from freezing fog.

	Wind Chill Advisory	Wind Chill Warning	Frost Advisory	Freeze Warning	Dense Fog Advisory	Freezing Fog Advisory
<b>NWS Indianapolis, IN</b>	Wind chills -10°F to -24°F	Wind chills ≤ -25°F	Widespread frost during growing season with temperatures generally in the mid 30s.	Widespread temperatures ≤ 32°F during growing season.	Widespread dense fog reducing visibilities to 1/4 mile or less.	Very light ice accumulations from predominantly freezing fog.
<b>NWS Lincoln, IL</b>	Wind chills -15°F to -24°F	Wind chills ≤ -25°F	Widespread frost during growing season with temperatures generally ≥ 32°F .	Widespread temperatures ≤ 32°F during growing season.	Widespread dense fog reducing visibilities to 1/4 mile or less.	Very light ice accumulations from predominantly freezing fog.
<b>NWS Nashville, TN</b>	Wind chills -5°F to -15°F	Wind chills ≤ -16°F	Widespread frost with temps 33-36°F during growing season (~ April 15) (Optional if only patchy frost expected, but required for 1st fall event).	Widespread temps ≤ 32°F during growing season (issued even when conditions are expected to only impact outlying areas). Warnings ceased once there have been at least a few reports of killing freezes (27°F or less).	Widespread dense fog reducing visibilities to 1/4 mile or less.	Very light ice accumulations are expected or are occurring from freezing fog.
<b>NWS Memphis, TN</b>	Wind chill less than 0°F over a large area that will last more than one hour.	Wind chills of -18°F or lower over a large area that will last more than one hour.	Widespread frost with temperatures between 33-36°F during growing season.	Temperatures ≤ 32°F during the growing season, the first freeze in the fall, or when a freeze is expected after vegetation has budded/bloomed in spring. The growing season ends with the first minimum temperature below 28°F.	Widespread dense fog reducing visibilities to 1/4 mile or less.	Very light ice accumulations are expected or are occurring from freezing fog.

	Excessive Heat Warning	Heat Advisory	High Wind Warning	Wind Advisory	Lake Wind Advisory
<b>NWS Paducah, KY</b>	Maximum heat index around 110°F and a minimum heat index of 75°F or higher for at least 48 hours. Can be issued if heat indices of 105°F occur for 4 consecutive days.	Maximum heat index around 105°F.	Sustained winds ≥ 40 mph for ≥ 1 hr or ≥ 58 mph for any duration.	Winds ≥ 30 mph for ≥ 1 hr/gusts ≥ 45 mph for any duration.	Sustained winds of ≥ 15 mph for ≥ 1 hour May 1-Sept 30.
<b>NWS Louisville, KY</b>	Maximum heat index around 110°F for ≥ 3 hrs.	Maximum heat index around 105°F for ≥ 3 hrs.	Sustained winds ≥ 40 mph for ≥ 1 hr or ≥ 58 mph for any duration.	Winds ≥ 30 mph for ≥ 1 hr/gusts ≥ 40 mph for any duration.	NOT ISSUED
<b>NWS Springfield, MO</b>	Maximum heat index around 110°F or greater or heat indices of 105°F for 4 consecutive days.	Maximum heat index ranging between 105°F -109°F .	Sustained winds ≥ 40 mph for ≥ 1 hr or ≥ 58 mph for any duration.	Winds ≥ 30 mph for ≥ 1 hr/gusts ≥ 45 mph for any duration.	NOT ISSUED
<b>NWS St. Louis, MO</b>	Maximum heat index around 110°F .	Maximum heat index around 105°F.	Sustained winds ≥ 40 mph for ≥ 1 hr or ≥ 58 mph for any duration.	Winds ≥ 30 mph for ≥ 1 hr/gusts ≥ 45 mph for any duration.	NOT ISSUED



	Excessive Heat Warning	Heat Advisory	High Wind Warning	Wind Advisory	Lake Wind Advisory
<b>NWS Indianapolis, IN</b>	Maximum heat index around 105°F degrees.	Maximum heat index around 100°F.	Sustained winds ≥ 40 mph for ≥ 1 hr or ≥ 58 mph for any duration.	Winds ≥ 30 mph for ≥ 1 hr/gusts ≥ 45 mph for any duration.	NOT ISSUED
<b>NWS Lincoln, IL</b>	Maximum heat index around 105°F and a minimum heat index of 75°F or higher for at least 48 hours.	Maximum heat index around 100°F.	Sustained winds ≥ 40 mph for ≥ 1 hr or ≥ 58 mph for any duration.	Winds ≥ 30 mph for ≥ 1 hr/gusts ≥ 45 mph for any duration.	NOT ISSUED
<b>NWS Nashville, TN</b>	Maximum heat index around 110°F and a minimum of 75°F or higher for at least 48 hours.	Maximum heat index around 105°F and a minimum of 75°F or higher for at least 1 to 2 days.	Sustained winds ≥ 40 mph for ≥ 1 hr or ≥ 58 mph for any duration.	Sustained winds 25-39 mph for any duration and/or gusts 35-57 mph.	NOT ISSUED
<b>NWS Memphis, TN</b>	Heat Index values that meet or exceed 110°F & minimum of ≥ 75.	Maximum heat Index values that meet or exceed °105°F for 1 or 2 days with a minimum temperature of ≥ 75°F .	Sustained winds ≥ 40 mph for ≥ 1 hr or ≥ 58 mph for any duration.	Sustained wind of at least 25 mph and persists for at least an hour.	NOT ISSUED